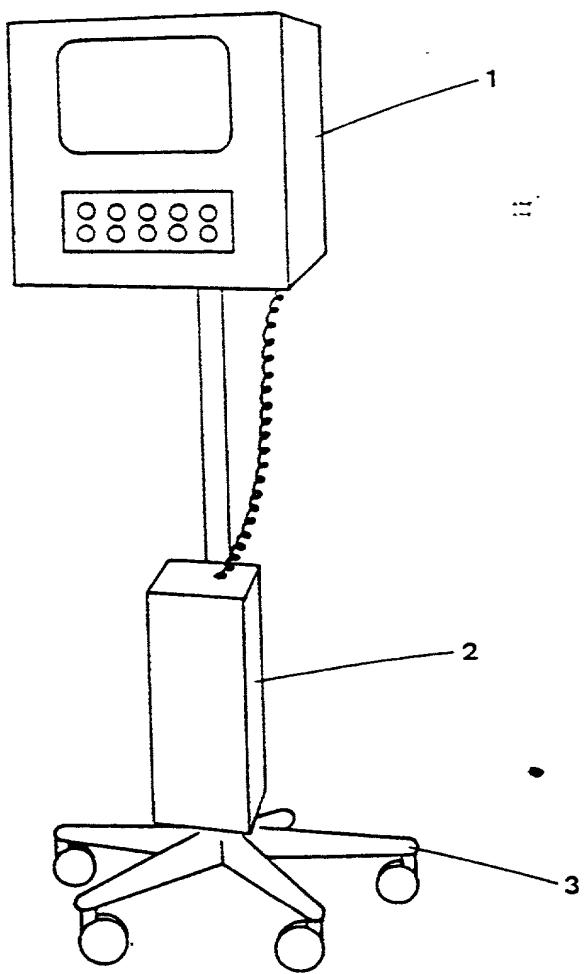
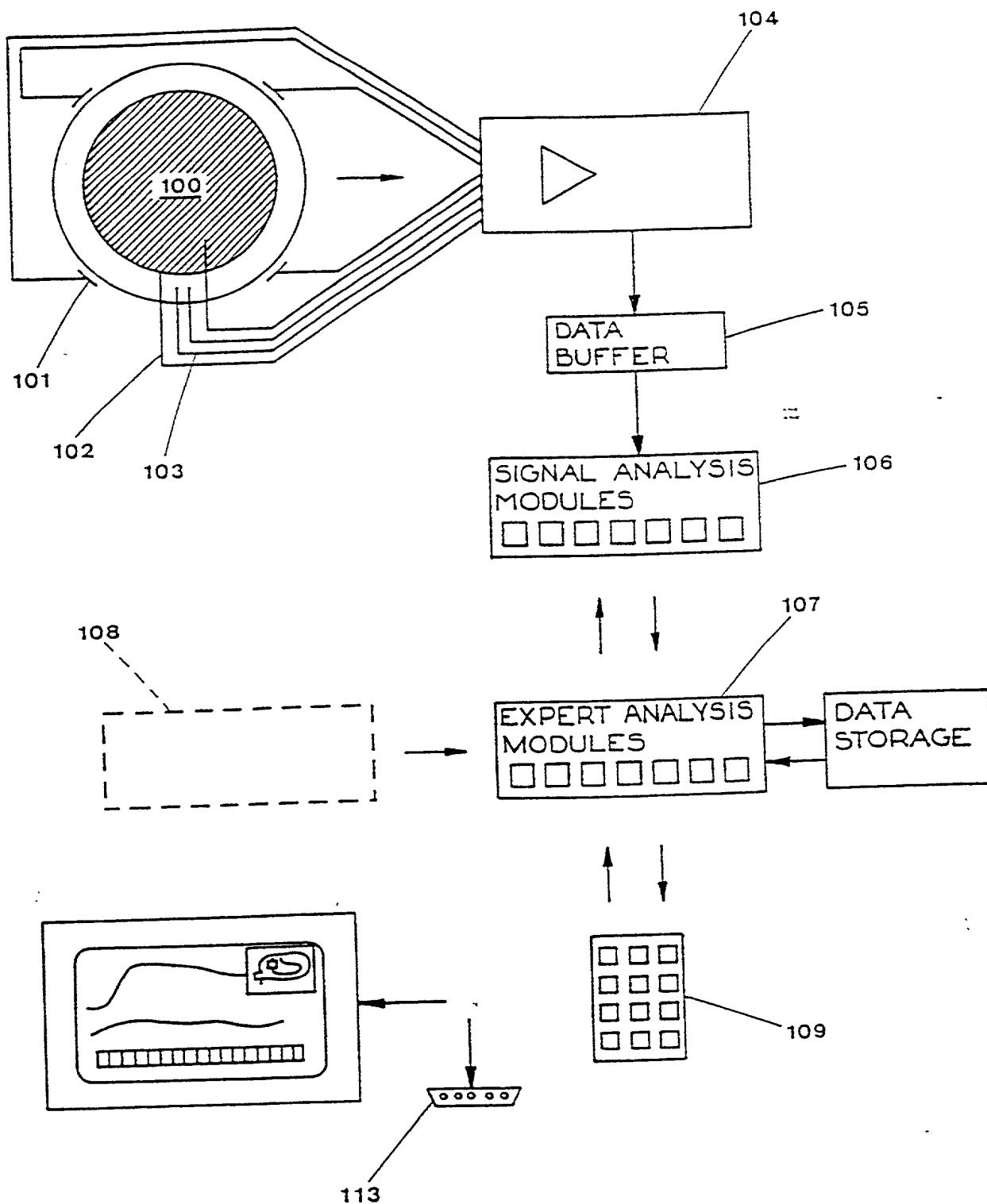


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**Figure 1**

**Figure 2**

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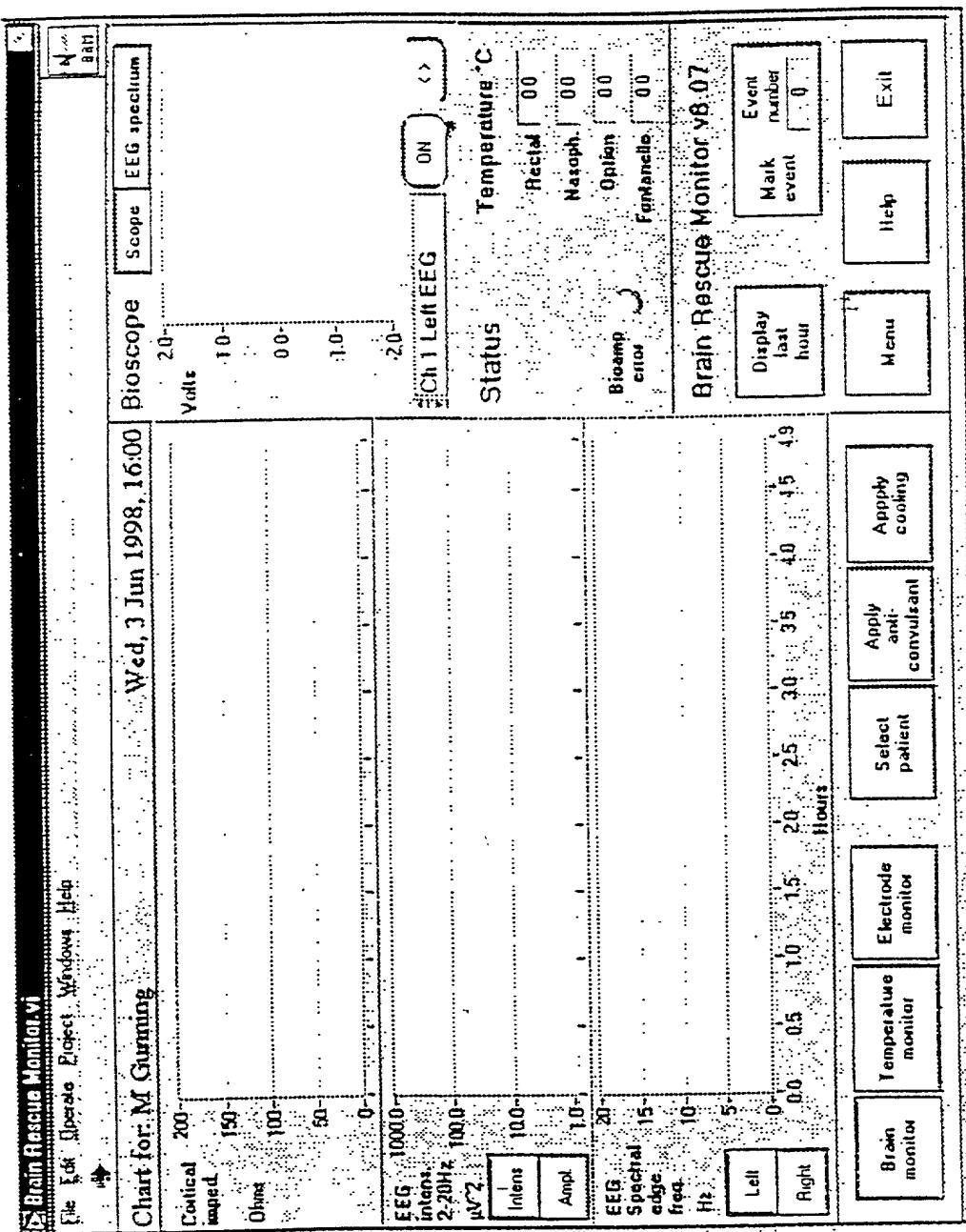


Figure 3

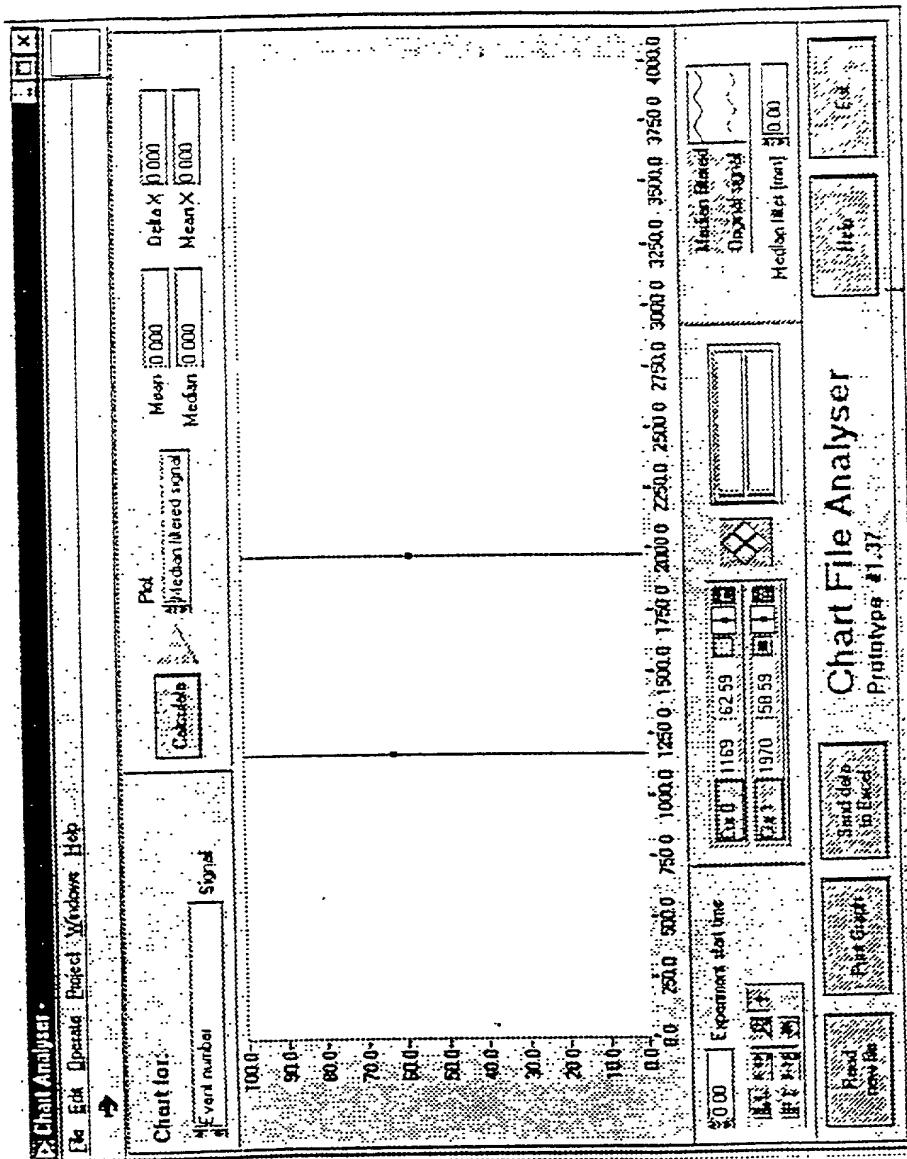
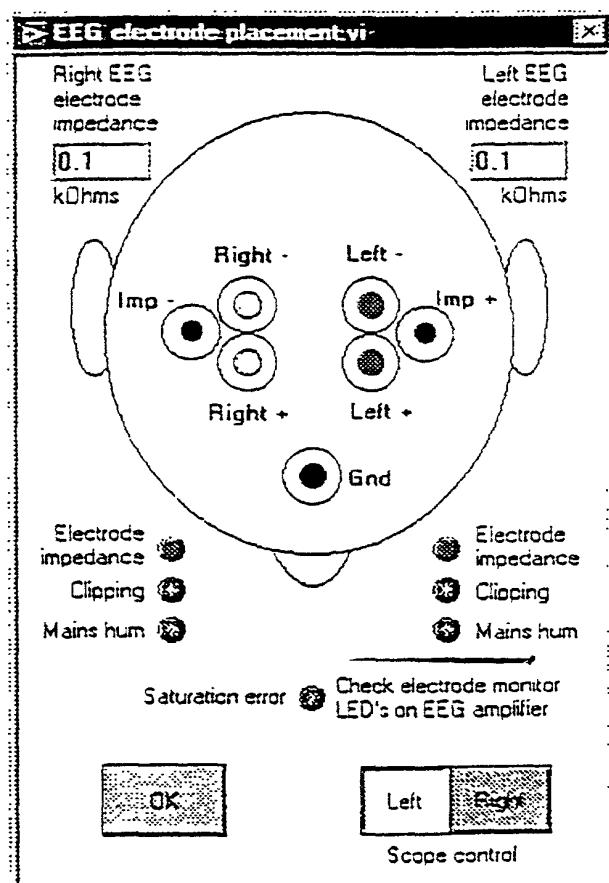
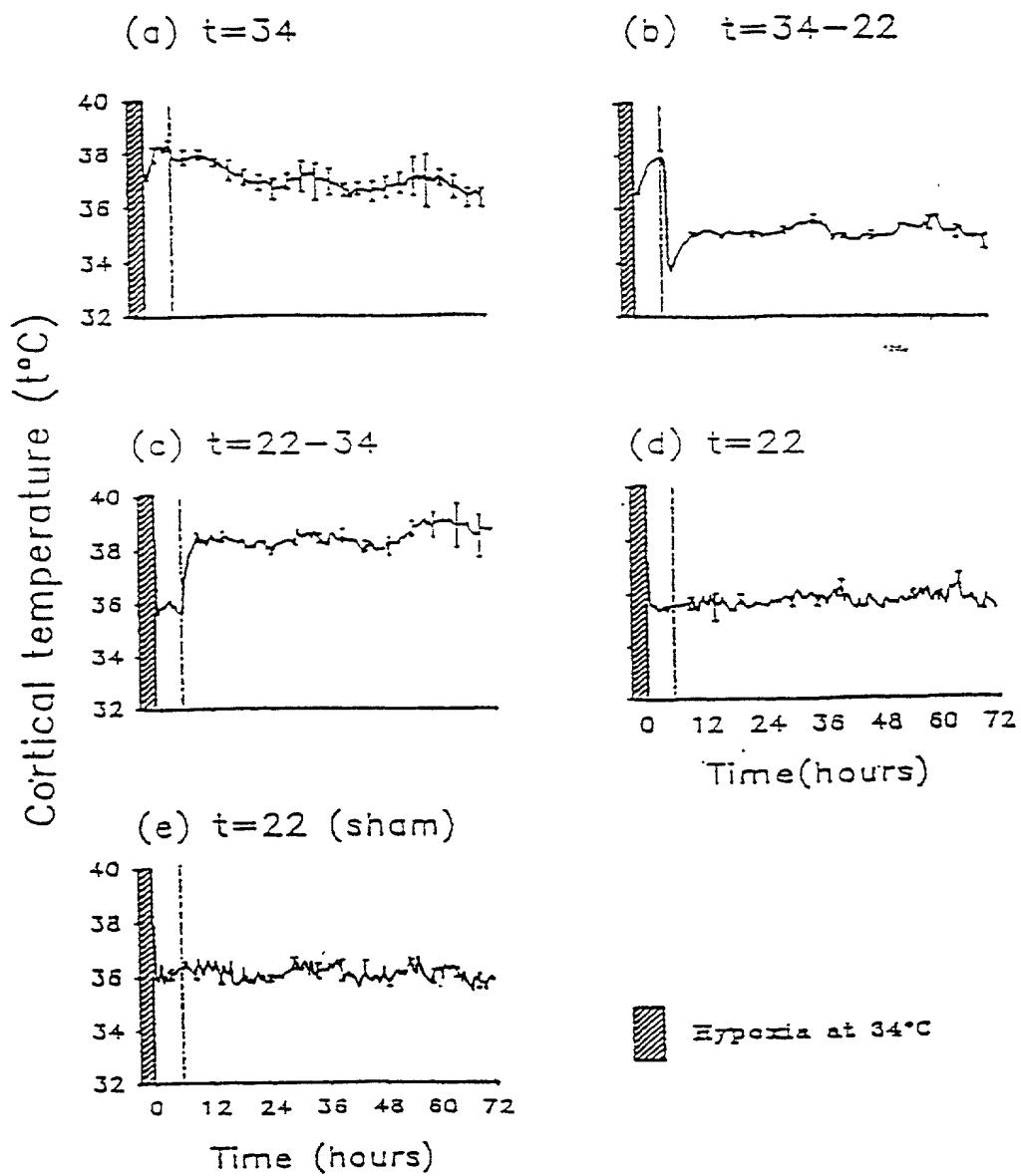


Figure 4.

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**Figure 5**

**Figure 6**

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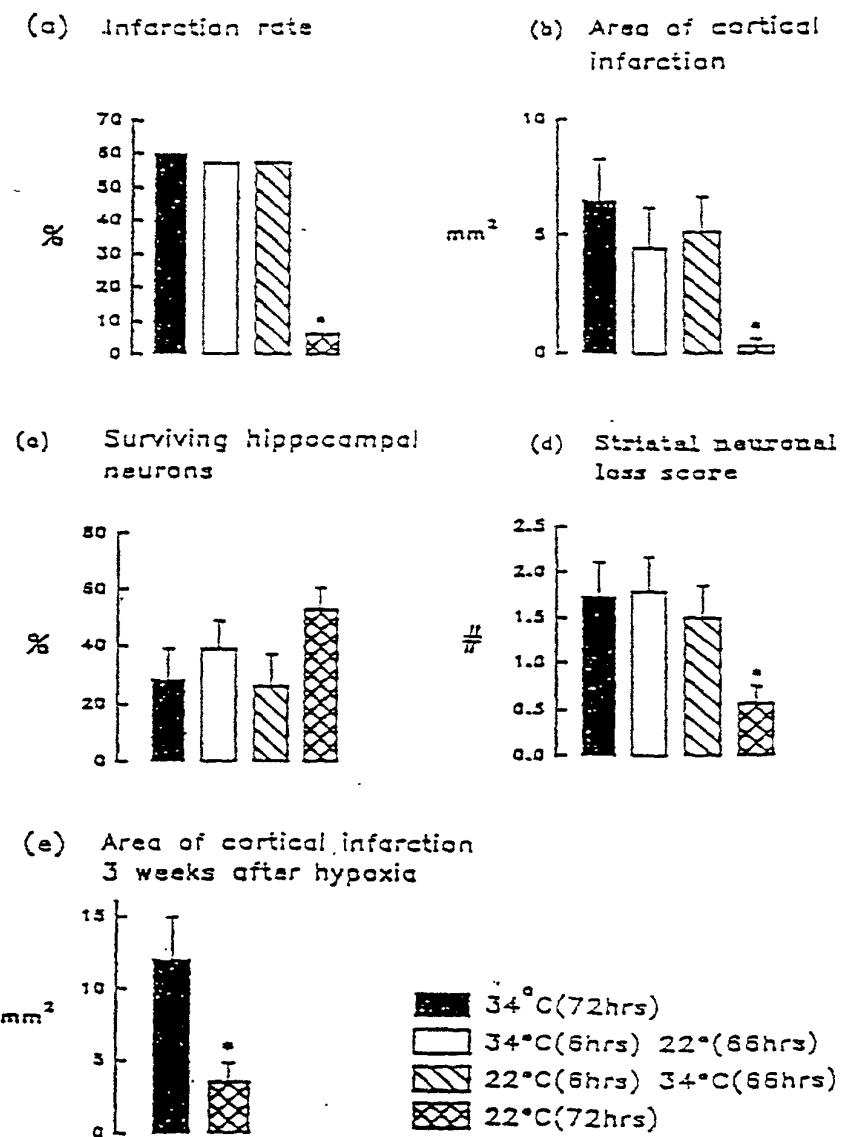


Figure 7

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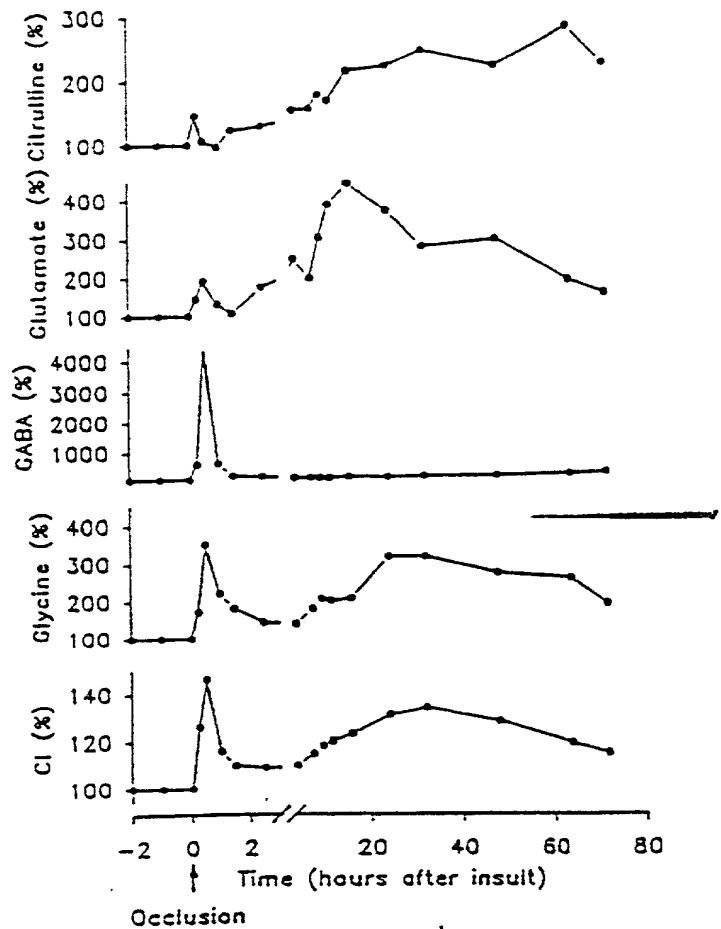


Figure 8

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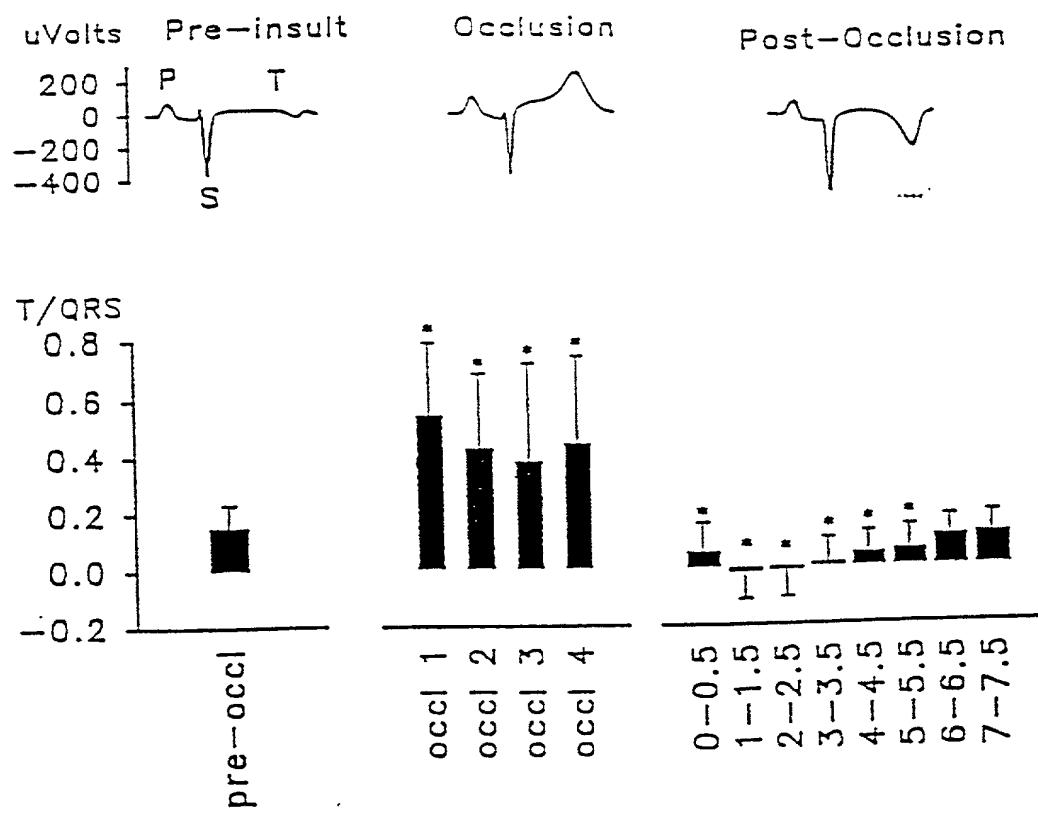
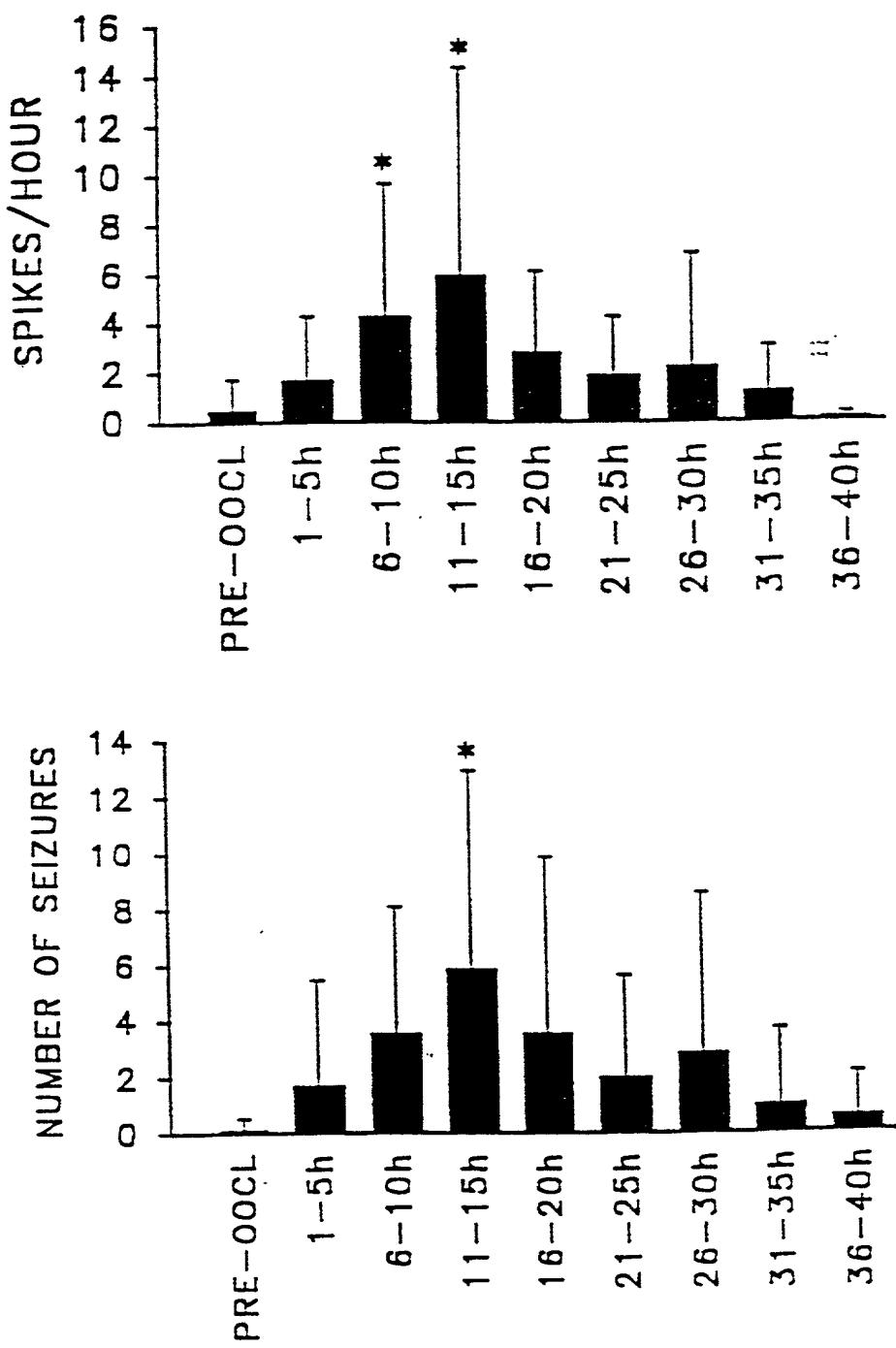


Figure 9

**Figure 10**

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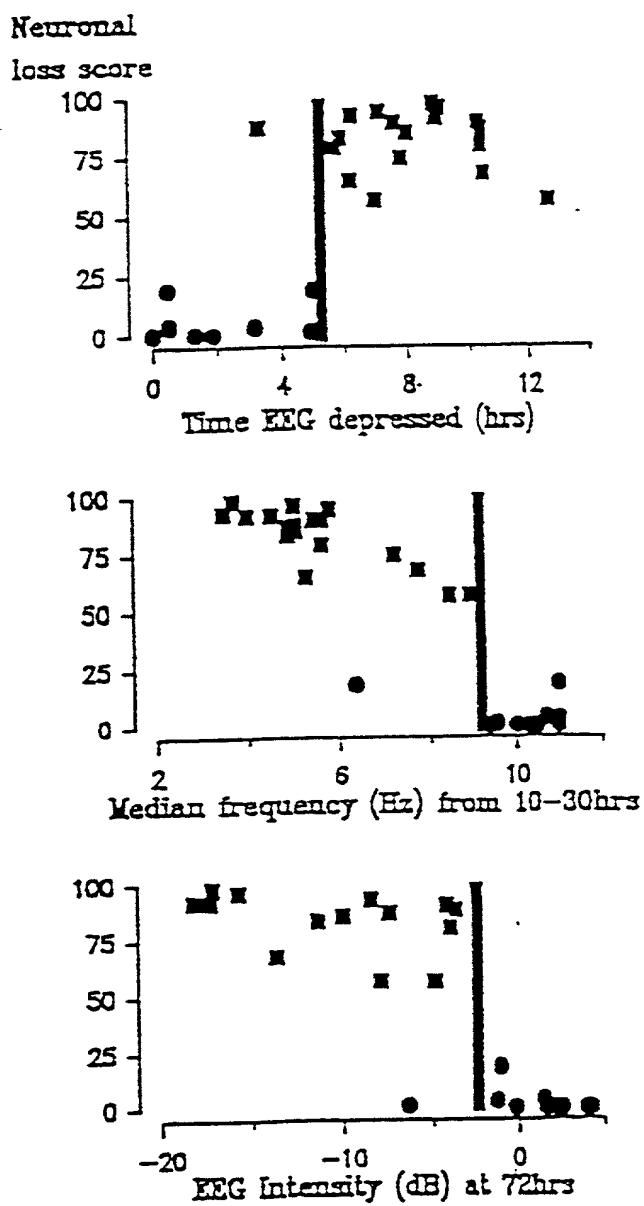


Figure 11

Magnitude of drop in blood pressure, and levels of lactate and glucose versus neural outcome. ( $r$  = correlation coefficient;  $p$  = significance.

	$r$	$p$
CA3 neuronal loss vs % blood pressure drop	0.876	$p=0.02$
CA1/2 neuronal loss vs % blood pressure drop	0.922	$p=0.01$
CA3 neuronal loss vs lactate 10 min after insult.	0.035	NS
CA3 neuronal loss vs lactate 1 hr after insult.	-0.066	NS
CA3 neuronal loss vs glucose - 10 min insult	0.512	NS

Correlations between total neuronal loss score and measured changes during the 4th umbilical cord occlusion.

	$r$	$p$
HR (% of baseline)	0.28	0.54
MAP (% of baseline)	0.867	0.01
T/QRS ratio of ECG	0.75	0.03
P <sub>p</sub> O <sub>2</sub> (kPa)	0.5	0.26
pH	-0.71	0.08
Lactate (mM/L)	0.49	0.26
Glucose (mM/L)	0.13	0.78
EEG depression (min)	0.78	0.02
No. of seizures	0.95	<0.01

**Figure 12**

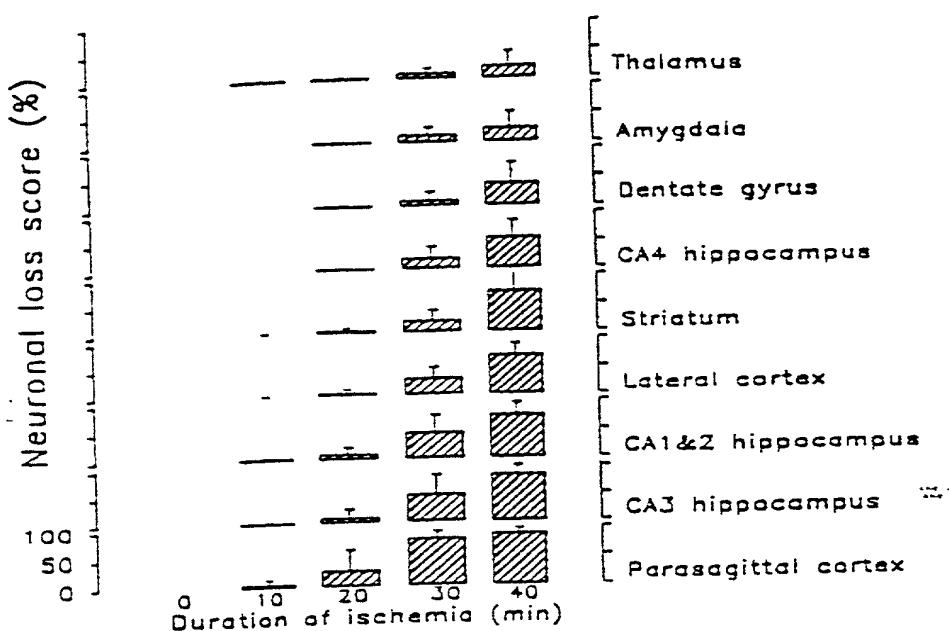


Figure 13

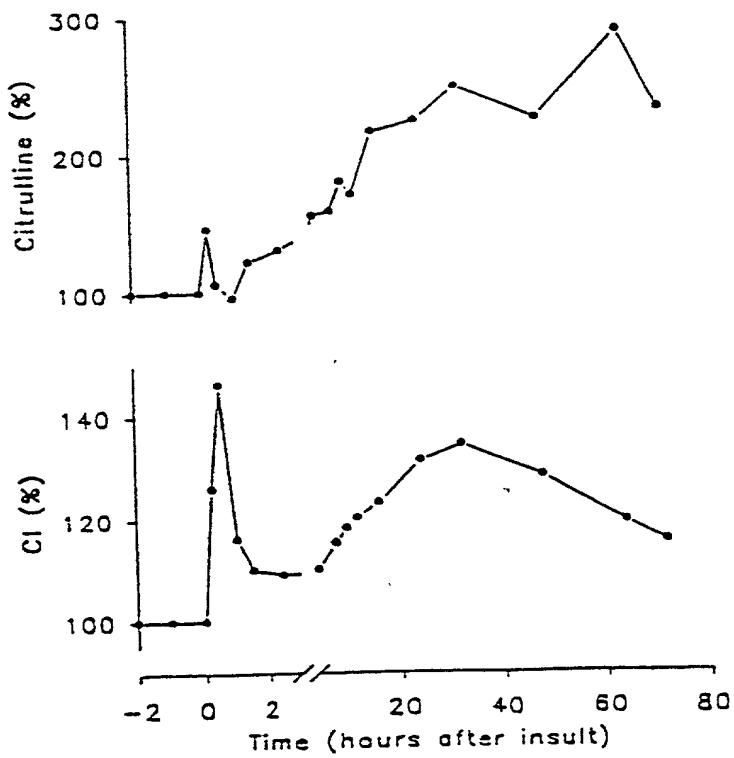
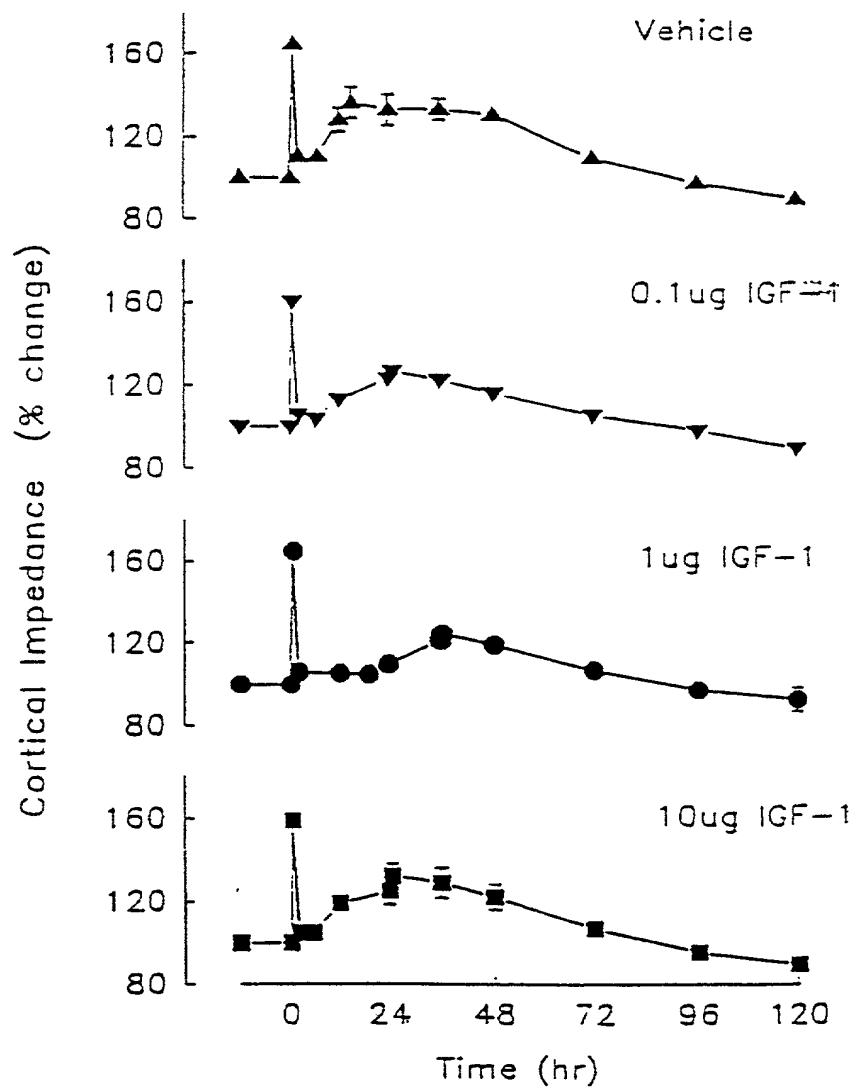
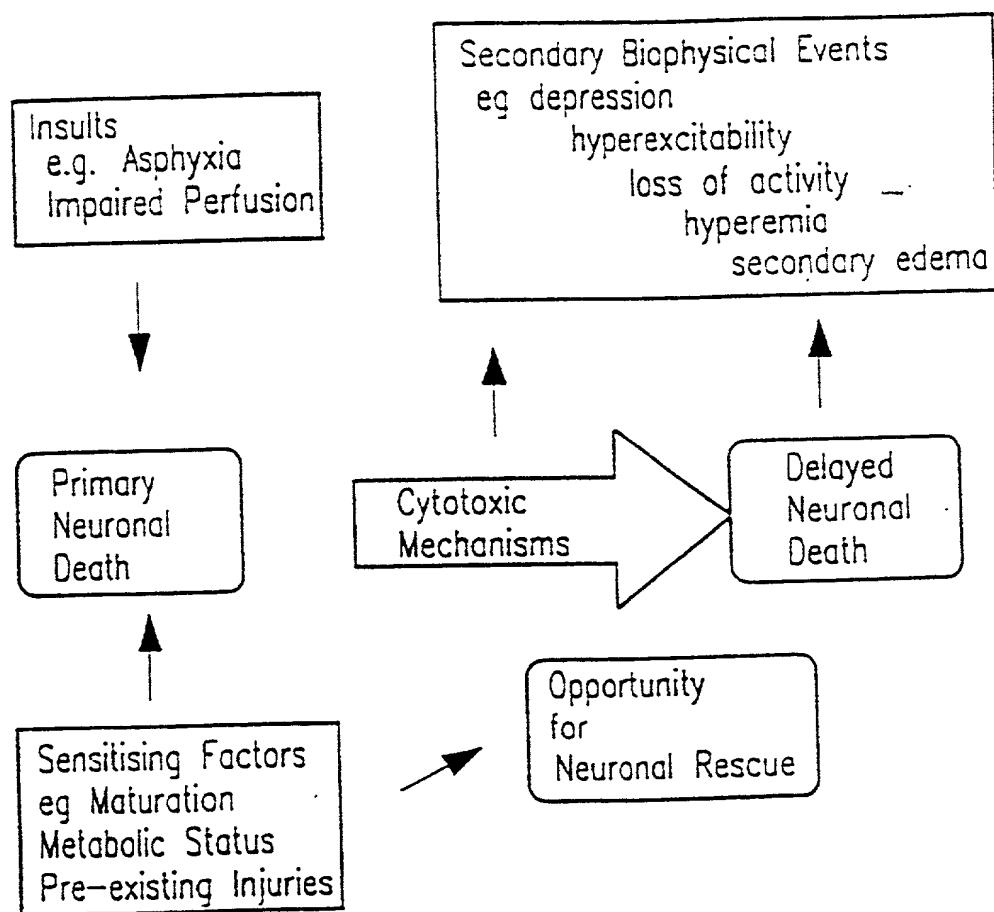


Figure 14

**Figure 15**

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**Figure 16**

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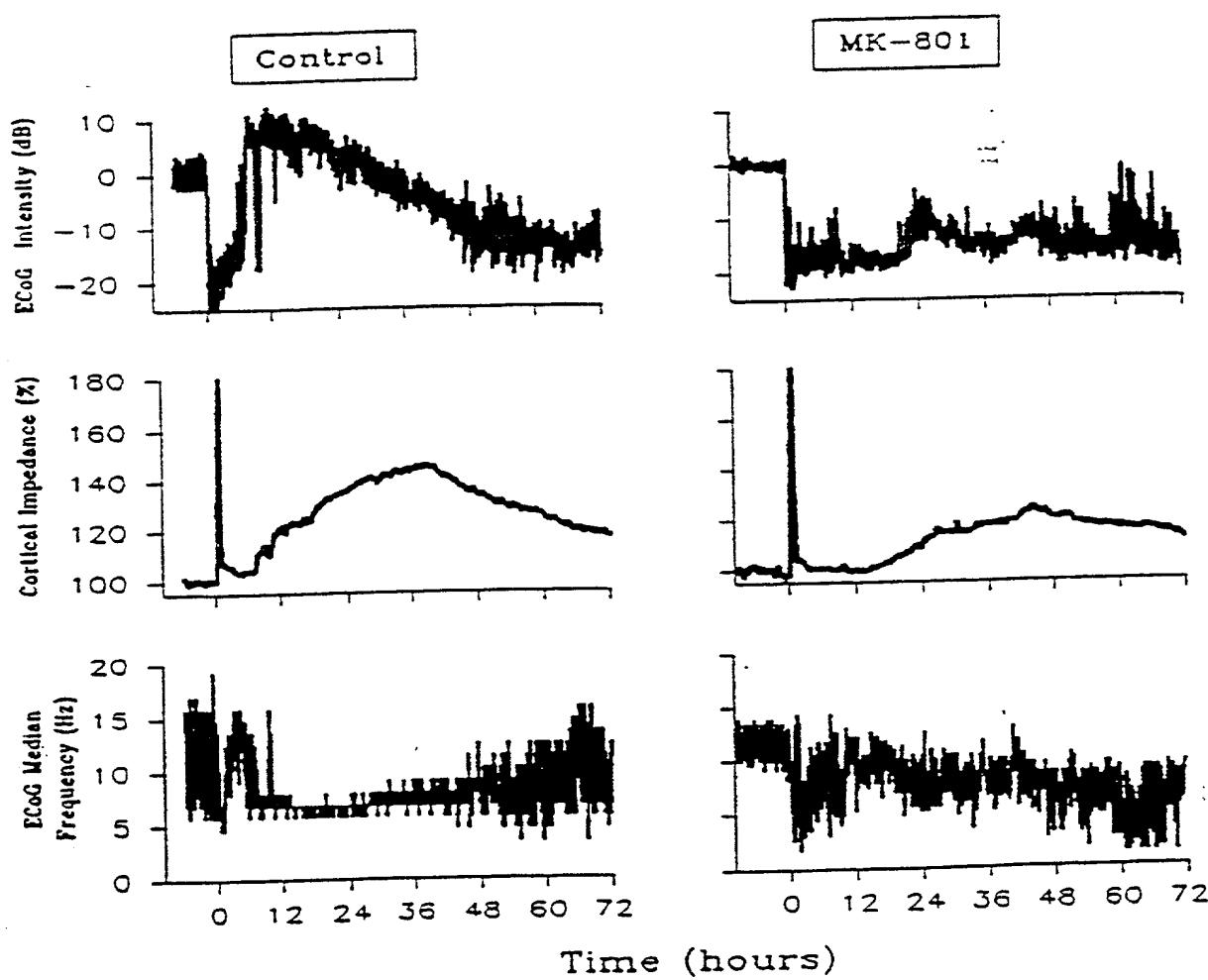
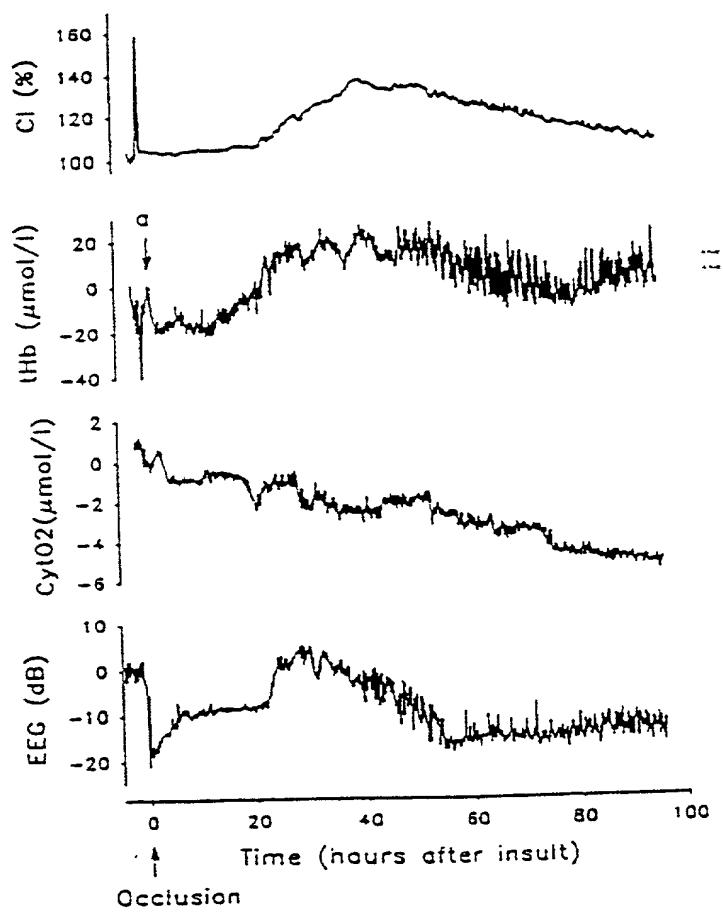


Figure 17

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**Figure 18**

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A	Hypoperfusion at +10 min	Hyperperfusion at +24 h
	$r=0.65$ $p<0.001$ $\alpha = -0.70$	$r=0.67$ $p=0.007$ $\alpha = -0.50$
Cortical Neuronal Loss (%)		

Figure 19

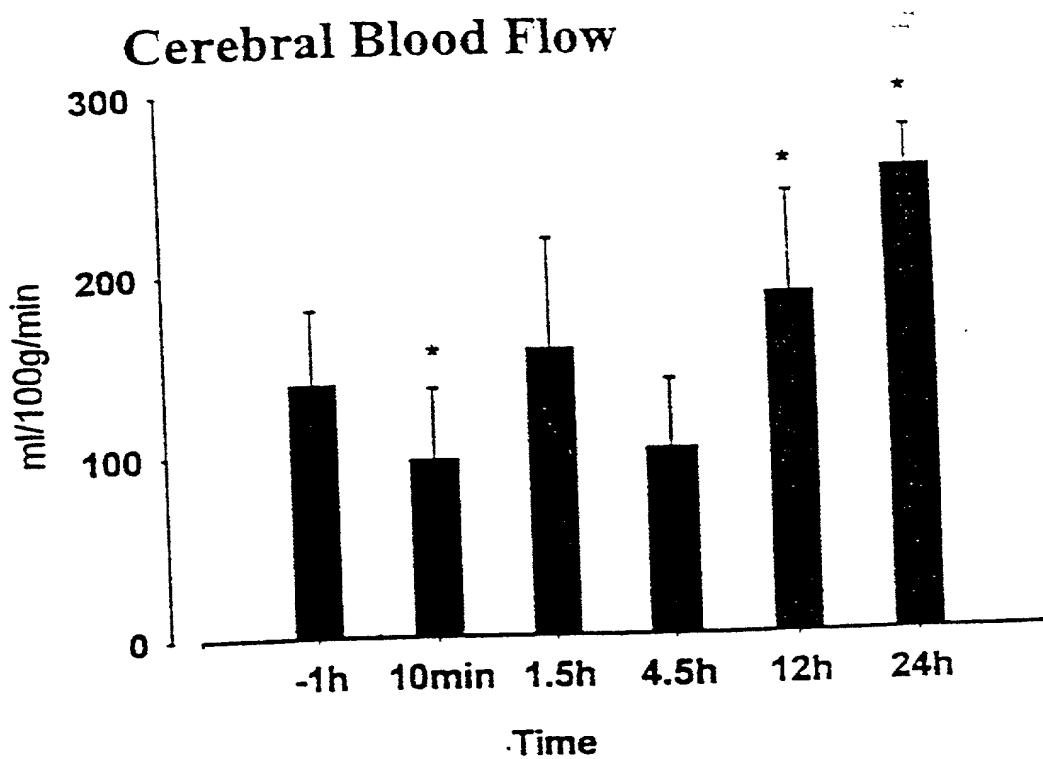
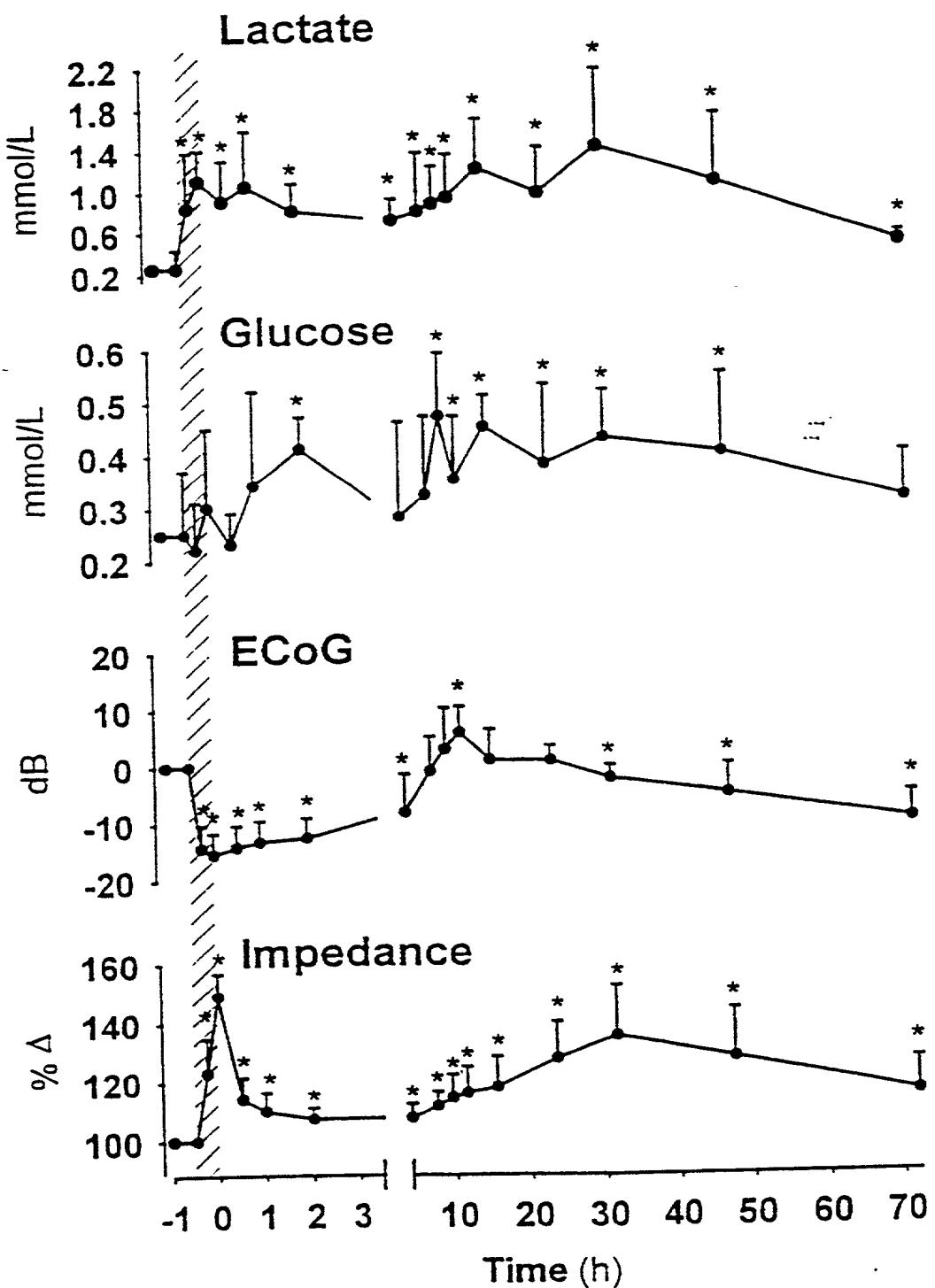


Figure 20

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**Figure 21**